This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1   Claim 1 (previously presented): A method for reducing first copy out times

2 of printed matter, said method comprising the steps of:

3   (a)   executing a request to print at least a portion of said printed matter;

4   (b)   calculating a uniqueness identifier in a host computer, said

5   uniqueness identifier specifically referring to said at least a portion

6   of said printed matter, and for identifying said at least a portion of

7   said printed matter;

8   (c)   comparing said uniqueness identifier to a list of uniqueness

9   identifiers stored in memory;

10   (d)   printing said at least a portion of said printed matter using data

11   stored in a memory location referenced by said list of uniqueness

12   identifiers if said uniqueness identifier is found in said list of

13   uniqueness identifiers; and

14   (e)   storing said uniqueness identifier and a reference to data stored in

15   memory pertaining to said at least a portion of said printed matter in

16   said list of uniqueness identifiers if said uniqueness identifier is not

17   found in said list of uniqueness identifiers.

18

1   Claim 2 (previously presented): A method for reducing first copy out times

2 of a "print portion," said method comprising the steps of:

3   (a)   executing a request to print said "print portion";

4   (b)   calculating a "print portion" uniqueness identifier in a host

5   computer, said "print portion" uniqueness identifier specifically

6   referring to and for identifying said "print portion";

7   (c)   comparing said "print portion" uniqueness identifier to a list of

8   uniqueness identifiers stored in memory;

9   (d)   printing said "print portion" using previously rendered data stored in

10   a memory location referenced by said list of uniqueness identifiers

11   if said "print portion" uniqueness identifier is found in said list of

12   uniqueness identifiers; and

13   (e)   storing said "print portion" uniqueness identifier and a reference to

14   data stored in memory pertaining to said "print portion" in said list of

15   uniqueness identifiers if said "print portion" uniqueness identifier is

16   not found in said list of uniqueness identifiers.

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1   Claim 3 (original): The method of claim 2, said step of printing said "print

2   portion" printing an entire print job.

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1   Claim 4 (original): The method of claim 2, said step of printing said "print

2   portion" printing a portion of an entire print job.

3

1   Claim 5 (previously presented): The method of claim 4 further comprising

2   the steps of:

3   (a)   said step of calculating a "print portion" uniqueness identifier

4   specifically referring to said "print portion" including the step of

5   calculating a "print portion" uniqueness identifier 1-N in a host

6   computer, said "print portion" uniqueness identifier 1-N specifically

7   referring to each "print portion" 1-N of said entire print job;

8   (b)   comparing said "print portion" uniqueness identifier 1-N to a list of

9   uniqueness identifiers stored in memory;

10   (c) printing said "print portion" 1-N using previously rendered data

11   stored in a memory location referenced by said list of uniqueness

12   identifiers if said "print portion" uniqueness identifier 1-N is found in

13   said list of uniqueness identifiers; and

14   (d) storing said "print portion" uniqueness identifier 1-N and a

15   reference to data stored in memory pertaining to said "print portion"

16   1-N in said list of uniqueness identifiers if said "print portion"

17   uniqueness identifier 1-N is not found in said list of uniqueness

18   identifiers;

19   (e) determining whether said entire print job has been printed; and

20   (f) repeating steps (b)-(e) until said entire print job has been printed.

21

1   Claim 6 (previously presented): The method of claim 2 further comprising

2 the step of performing an efficiency check based on at least one factor selected from

3 the group consisting of:

4   (a) the size of said "print portion";

5   (b) the speed of said host computer; and

6   (c) the speed of said printer.

7

1   Claim 7 (previously presented): A method for reducing first copy out times

2 for printing an entire print job, said method comprising the steps of:

3   (a) executing a request to print said entire print job, said entire print job

4   divisible into "print portion" 1-N;

5   (b) calculating a "print portion" uniqueness identifier 1-N in a host

6   computer, said "print portion" uniqueness identifier 1-N specifically

7   referring to and for identifying each "print portion" 1-N of said entire

8   print job;

9   (c)   for a consecutive one of "print portion" 1-N, comparing said "print

10   portion" uniqueness identifier 1-N to a list of uniqueness identifiers

11   stored in memory;

12   (d)   for said consecutive one of "print portion" 1-N, printing said "print

13   portion" 1-N using previously rendered data stored in a memory

14   location referenced by said list of uniqueness identifiers if said "print

15   portion" uniqueness identifier 1-N is found in said list of uniqueness

16   identifiers; and

17   (e)   for said consecutive one of "print portion" 1-N, storing said "print

18   portion" uniqueness identifier 1-N and a reference to data stored in

19   memory pertaining to said "print portion" 1-N in said list of

20   uniqueness identifiers if said "print portion" uniqueness identifier 1-

21   N is not found in said list of uniqueness identifiers;

22   (f)   determining whether said entire print job has been printed; and

23   (g)   repeating steps (c)-(f) until said entire print job has been printed.

24

1   Claim 8 (previously presented): The method of claim 7 further comprising

2 the step of performing an efficiency check based on at least one factor selected from

3 the group consisting of:

4   (a)   the size of said "print portion";

5   (b)   the speed of said host computer; and

6   (c)   the speed of said printer.

7

1   Claim 9 (previously presented): The method of claim 1 wherein said step

2 of comparing said uniqueness identifier to a list of uniqueness identifiers stored in

3 memory further comprising the step of comparing said uniqueness identifier to a list of

4 uniqueness identifiers stored in memory in a printer.

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1   Claim 10 (previously presented): The method of claim 9 further

2 comprising the step of transferring said uniqueness identifier from said host computer to

3 said printer.

4

1   Claim 11 (previously presented): The method of claim 9 further

2 comprising the step of transferring all or part of said at least a portion of said printed

3 matter from said host computer to said printer if said uniqueness identifier is not found

4 in said list of uniqueness identifiers.

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1   Claim 12 (previously presented): The method of claim 2 wherein said step

2 of comparing said "print portion" uniqueness identifier to a list of uniqueness identifiers

3 stored in memory further comprising the step of comparing said "print portion"

4 uniqueness identifier to a list of uniqueness identifiers stored in memory in a printer.

5

1   Claim 13 (previously presented): The method of claim 12 further

2 comprising the step of transferring said "print portion" uniqueness identifier from said

3 host computer to said printer.

4

1   Claim 14 (previously presented): The method of claim 12 further

2 comprising the step of transferring all or part of said "print portion" from said host

3 computer to said printer if said "print portion" uniqueness identifier is not found in said

4 list of uniqueness identifiers.

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1   Claim 15 (previously presented): The method of claim 5 wherein said step

2 of comparing said "print portion" uniqueness identifier 1-N to a list of uniqueness

3 identifiers stored in memory further comprising the step of comparing said "print portion"

4 uniqueness identifier 1-N to a list of uniqueness identifiers stored in memory in a printer.

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1   Claim 16 (previously presented): The method of claim 15 further

2 comprising the step of transferring said "print portion" uniqueness identifier 1-N from

3 said host computer to said printer.

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1   Claim 17 (previously presented): The method of claim 15 further

2 comprising the step of transferring all or part of said "print portion" 1-N from said host

3 computer to said printer if said "print portion" uniqueness identifier 1-N is not found in

4 said list of uniqueness identifiers.

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1   Claim 18 (previously presented): The method of claim 7 wherein said step

2 of comparing said "print portion" uniqueness identifier 1-N to a list of uniqueness

3 identifiers stored in memory further comprising the step of comparing said "print portion"

4 uniqueness identifier 1-N to a list of uniqueness identifiers stored in memory in a printer.

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1   Claim 19 (previously presented): The method of claim 18 further

2 comprising the step of transferring said "print portion" uniqueness identifier 1-N from

3 said host computer to said printer.

4

1   Claim 20 (previously presented): The method of claim 18 further

2 comprising the step of transferring all or part of said "print portion" 1-N from said host

3 computer to said printer if said "print portion" uniqueness identifier 1-N is not found in

4 said list of uniqueness identifiers.

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1   Claim 21 (previously presented): A system for reducing first copy out

2 times of printed matter, said system comprising:

3   (a)   means for executing a request to print at least a portion of said

4   printed matter;

5   (b) uniqueness identifier generator for calculating a uniqueness

6   identifier in a host computer, said uniqueness identifier referring to

7   and for identifying said at least a portion of said printed matter;

8   (c) means for comparing said uniqueness identifier to a list of

9   uniqueness identifiers stored in memory;

10   (d) means for printing said at least a portion of said printed matter

11   using data stored in a memory location referenced by said list of

12   uniqueness identifiers if said uniqueness identifier is found in said

13   list of uniqueness identifiers; and

14   (e) means for storing said uniqueness identifier and a reference to data

15   stored in memory pertaining to said at least a portion of said printed

16   matter in said list of uniqueness identifiers if said uniqueness

17   identifier is not found in said list of uniqueness identifiers.

18

1   Claim 22 (previously presented): The system of claim 21 wherein said

2 means for comparing said uniqueness identifier to a list of uniqueness identifiers stored

3 in memory further comprises means for comparing said uniqueness identifier to a list of

4 uniqueness identifiers stored in memory in a printer.

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1   Claim 23 (previously presented): The system of claim 21 further

2 comprising means for transferring said uniqueness identifier from said host computer to

3 said printer.

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1   Claim 24 (previously presented): The system of claim 21 further

2 comprising means for transferring all or part of said at least a portion of said printed

3 matter from said host computer to said printer if said uniqueness identifier is not found

4 in said list of uniqueness identifiers.

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